In th Sp cificati n:

Please amend the specification as shown:

Please delete paragraph [0001] and replace it with the following paragraph:

[0001] This application claims priority to U.S. Provisional Application No. ~~as~~ 60/339,466, **filed February 27, 2003,** U.S. Application Serial No. 09/989,497, filed November 21, 2001, which is a continuation-in-part of U.S. Application Serial No. 09/984,292, filed October 29, 2001, which claims priority to U.S. Provisional Application No. 60/243,770, filed on October 30, 2000, and all of these applications are incorporated herein by reference in their entirety.

Please delete paragraph [0090] and replace it with the following paragraph:

[0090] In this example, the details of how the Ga15 chimeras were made are presented. Ga_{15} chimeras were generated by PCIR with mutagenic 3' primers. The sequence of the parental Ga15clone (SEQ ID NO:1; amino acid sequence is SEQ ID NO:2) corresponds to databank sequences (e.g., accession B0005439) except for a silent single nucleotide polymorphism. The last six codons of GOC15and the sequences they were replaced with are shown below (SEQ ID NOS:3-12). The Gal 5 chimeras were generated with 5' Ascl sites (GGCGCGCCGCC **(SEQ ID NO: 13)** joined to the start ATG) and 3' Notl sites (GCGGCCGC joined to the stop TGA) and cloned as Ascl-Notl fragments in the Ascl-Notl polylinker sites of the pEAK10 expression vector (Edge Biosystems).

Ga15 nucleotide sequence (SEQ ID NO:1)

atggcccggtccctgacttggggctgctgtccctggtgcctgacagaggaggagaagactgccgccagaa
tcgaccaggagatcaacaggattttgttggaacagaaaaaacaagagcgcgaggaattgaaactcctgct
gttggggcctggtgagagcgggaagagtacgttcatcaagcagatgcgcatcattcacggtgtgggctac
tcggaggaggaccgcagagccttccggctgctcatctaccagaacatcttcgtctccatgcaggccatga
tagatgcgatggaccggctgcagatccccttcagcaggcctgacagcaagcagcacgccagcctagtgat
gacccaggaccccctataaagtgagcacattcgagaagccatatgcagtggccatgcagtacctgtggcgg
gacgcgggcatccgtgcatgctacgagcgaaggcgtgaattccaccttctggactccgcggtgtattacc
tgtcacacctggagcgcatatcagaggacagctacatccccactgcgcaagacgtgctgcgcagtcgcat

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gcccaccacaggcatcaatgagtactgcttctccgtgaagaaaaccaaactgcgcatcgtggatgttggt
ggccagaggtcagagcgtaggaaatggattcactgttttgagaacgtgattgccctcatctacctggcct
ccctgagcgagtatgaccagtgcctagaggagaacgatcaggagaaccgcatggaggagagtctcgctct
gttcagcacgatcctagagctgcccctggttcaagagcacctcggtcatcctcttcctcaacaagacggac
atcctggaagataagattcacacctcccacctggccacatacttccccagcttccagggaccccggcgag
acgcagaggccgccaagagcttcatcttggacatgtatgcgcgcgtgtacgcgagctgcgcagagcccca
ggacggtggcaggaaaggctcccgcgcgcgccgcttcttcgcacacttcacctgtgccacggacacgcaa
agcgtccgcagcgtgttcaaggacgtgcgggactcggtgctggcccggtacctggacgagatcaacctgc
tgtga
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Ga₁₅ amino acid sequence (SEQ ID NO:2)

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MARSLTWGCCPWCLTEEEKTAARIDQEINRILLEQKKQEREELKLLLLGPGESGKSTFIKQMRIIHGV
GYSEEDRRAFRLLIYQNIFVSMQAMIDAMDRLQIPFSRPDSKQHASLVMTQDPYKVSTFEKPYAVAMQ
YLWRDAGIRACYERRREFHLLDSAVYYLSHLERISEDSYIPTAQDVLRSRMPTTGINEYCFSVKKTKL
RIVDVGGQRSERRKWIHCFENVIALIYLASLSEYDQCLEENDQENRMEESLALFSTILELPWFKSTSV
ILFLNKTDILEDKIHTSHLATYFPSFQGPRRDAEAAKSFILDMYARVYASCAEPQDGGRKGSRARRFF
AHFTCATDTQSVRSVFKDVRDSVLARYLDEINLL
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Gₐ tails (SEQ IDS NOS: 3-12)

GAGATCAACCTGCTGTGA	G$_{a15}$	(SEQ ID NO: 3)
GACTGTGGCCTCTTCTGA	G$_{ai1}$	(SEQ ID NO: 4)
GAGTACAATCTGGTCTGA	G$_{aq}$	(SEQ ID NO: 5)
CAGTATGAGCTCTTGTGA	G$_{as}$	(SEQ ID NO: 6)
GAGTGCGGCCTCTACTGA	G$_{ai3}$	(SEQ ID NO: 7)
GGATGCGGACTCTACTGA	G$_{ao}$	(SEQ ID NO: 8)
TACATCGGCCTCTGCTGA	G$_{az}$	(SEQ ID NO: 9)
GACATCATGCTCCAATGA	G$_{al2}$	(SEQ ID NO: 10)
CAACTAATGCTCCAATGA	G$_{a13}$	(SEQ ID NO: 11)
CACCAGGTTGAACTCTGA	G$_{a14}$	(SEQ ID NO: 12)